

**1996 Vital Statistics Report  
Memphis and Shelby County  
Health Department**

**Published by the  
Vital Records Office**

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## Vital Records

The Memphis and Shelby County Health Department Vital Records office maintains records of births and deaths that occur in Memphis and Shelby County. The office issues certified copies of these records to the public and conducts statistical analyses based on these records to evaluate changing trends in the health status of residents of the county.

In the year 1996, 38,941 customers were served by the Vital Records office. During this period, 44,767 birth certificates were issued and 53,950 death certificates were issued, for a total of 98,717 certificates issued. In addition this office interacts with health care professionals, researchers, funeral home directors and other governmental agencies on a daily basis for the purpose of providing statistical data and verifying completeness of records.

The primary function of the Vital Records office is to obtain and preserve documentary evidence concerning births and deaths that is necessary to protect the legal rights of individuals. Birth certificates are necessary to enroll in school, apply for driver's or marriage license, to secure a passport or travel visa, to participate in many athletic programs and to apply for social security and other public program benefits. Death certificates are necessary for many critical legal functions, including burial procedures and the processing of insurance benefits, estate settlement, transfer of stocks, bonds, personal property and real estate. For these reasons there is a continuous demand for certified copies of birth and death certificates in Shelby County.

A second primary function of the vital records registration system is to provide a central storage area for essential information necessary for community health assessment. Statistical summaries of birth data provide valuable information related to the reproductive health of a community. Mortality summaries provide important methods for evaluating the general health of a community, and for identifying specific patterns of excess risk over time or within specific geographic locations which may suggest the need for special health intervention measures.

Each year Memphis and Shelby County Health Department strives to make our annual vital records report a more useful research and planning tool for the citizens of Shelby County. In this year's report we have included selected ***Healthy People 2,000*** objectives and a statement of Shelby County's health status indicator for each of those specific objectives. ***Healthy People 2000*** is an initiative of the US Public Health Service and represents the work of 1,000 individuals and 300 national organizations and state health departments including the Institute of Medicine. ***Healthy People 2000*** establishes national goals and strategies for disease prevention and health promotion that can serve as benchmarks against which communities can measure their health.

We hope that you find this information valuable.

## **1996 HIGHLIGHTS**

County Mid-year Population - 867,409

Resident Live Births - 14,272

Birth Rate - 16.5

Resident Deaths - 7,768

Death Rate - 9.0

Out of Wedlock Births - 7,108 (49.8%)

Low Birth Weight (Prematurity) - 1,422 (10%)

Infant Deaths - 178 ( 12.5 infant mortality rate )

### **AREA DEMOGRAPHICS**

Shelby County is the largest county in the state of Tennessee, both geographically (772 square miles) and in population (867,409 residents). Shelby County is located in the southwest extreme of the state and contains the City of Memphis which is the largest city in the state of Tennessee and in the Mid-South.

### **POPULATION**

The estimated population for Shelby County is 867,409. There are 464,867 (53.6%) white residents and 402,542 (46.4%) nonwhite residents. There are 410,120 (47.3%) male residents and 457,289 (52.7%) female residents.

## **Population of Memphis and Shelby County by Age and Sex**

**POPULATION ESTIMATES FOR THE STATE OF TENNESSEE, BASED ON FINAL  
CENSUS COUNTS FOR 1990, PREPARED BY THE DIVISION OF ASSESSMENT AND  
PLANNING, TENNESSEE DEPARTMENT OF HEALTH. REVISED: JULY 25, 1997**

<b>Age</b>	<b>Total</b>	<b>White</b>	<b>Nonwhite</b>	<b>White Male</b>	<b>White Female</b>	<b>Nonwhite Male</b>	<b>Nonwhite Female</b>
<b>0-4</b>	<b>71,501</b>	<b>30,169</b>	<b>41,332</b>	<b>15,409</b>	<b>14,760</b>	<b>21,081</b>	<b>20,251</b>
<b>5-9</b>	<b>70,117</b>	<b>29,999</b>	<b>40,118</b>	<b>15,290</b>	<b>14,709</b>	<b>20,420</b>	<b>19,698</b>
<b>10-14</b>	<b>65,279</b>	<b>28,380</b>	<b>36,899</b>	<b>14,524</b>	<b>13,856</b>	<b>18,782</b>	<b>18,117</b>
<b>15-19</b>	<b>65,174</b>	<b>30,943</b>	<b>34,231</b>	<b>16,854</b>	<b>14,089</b>	<b>17,432</b>	<b>16,799</b>
<b>20-24</b>	<b>63,593</b>	<b>32,068</b>	<b>31,525</b>	<b>16,437</b>	<b>15,631</b>	<b>15,056</b>	<b>16,469</b>
<b>25-29</b>	<b>68,170</b>	<b>35,675</b>	<b>32,495</b>	<b>17,781</b>	<b>17,894</b>	<b>14,997</b>	<b>17,498</b>
<b>30-34</b>	<b>67,575</b>	<b>36,341</b>	<b>31,234</b>	<b>18,094</b>	<b>18,247</b>	<b>13,860</b>	<b>17,374</b>
<b>35-39</b>	<b>69,367</b>	<b>38,851</b>	<b>30,516</b>	<b>19,356</b>	<b>19,495</b>	<b>13,080</b>	<b>17,436</b>
<b>40-44</b>	<b>66,711</b>	<b>38,541</b>	<b>28,170</b>	<b>19,001</b>	<b>19,540</b>	<b>11,943</b>	<b>16,227</b>
<b>45-49</b>	<b>56,454</b>	<b>33,432</b>	<b>23,022</b>	<b>16,605</b>	<b>16,827</b>	<b>9,719</b>	<b>13,303</b>
<b>50-54</b>	<b>46,745</b>	<b>28,931</b>	<b>17,814</b>	<b>14,122</b>	<b>14,809</b>	<b>7,515</b>	<b>10,299</b>
<b>55-59</b>	<b>35,567</b>	<b>22,797</b>	<b>12,770</b>	<b>10,947</b>	<b>11,850</b>	<b>5,200</b>	<b>7,570</b>
<b>60-64</b>	<b>30,219</b>	<b>19,238</b>	<b>10,981</b>	<b>8,739</b>	<b>10,499</b>	<b>4,327</b>	<b>6,654</b>
<b>65-69</b>	<b>27,329</b>	<b>17,701</b>	<b>9,628</b>	<b>7,643</b>	<b>10,058</b>	<b>3,748</b>	<b>5,880</b>
<b>70-74</b>	<b>22,900</b>	<b>15,090</b>	<b>7,810</b>	<b>6,204</b>	<b>8,886</b>	<b>2,858</b>	<b>4,952</b>
<b>75-79</b>	<b>18,743</b>	<b>12,361</b>	<b>6,382</b>	<b>4,464</b>	<b>7,897</b>	<b>2,305</b>	<b>4,077</b>
<b>80-84</b>	<b>12,017</b>	<b>7,905</b>	<b>4,112</b>	<b>2,480</b>	<b>5,425</b>	<b>1,384</b>	<b>2,725</b>
<b>85+</b>	<b>9,948</b>	<b>6,445</b>	<b>3,503</b>	<b>1,427</b>	<b>5,018</b>	<b>1,036</b>	<b>2,467</b>
<b>Total</b>	<b>867,409</b>	<b>464,867 (53.6%)</b>	<b>402,542 (46.4%)</b>	<b>225,377 (26.0%)</b>	<b>239,490 (27.6%)</b>	<b>184,743 (21.3%)</b>	<b>217,799 (25.1%)</b>

**LIVE BIRTHS**

Shelby County resident live births totaled 14,272 in 1996 (14,535 in 1995). This is a decrease of 263 births (approximately 1.8%). This resulted in a community birth rate of 16.5. Resident white births totaled 5,722 resulting in a birth rate of 12.3. Resident nonwhite births totaled 8,550 resulting in a birth rate of 21.2. The number of births recorded in 1996, including nonresidents, was 17,443.

Exhibit 1 shows the number of resident live births for the past seven years. These figures clearly show a decrease in births from 15,631 in 1990 to 14,272 in 1996, approximately (9%). Birth rates in nonwhite and white populations show similar trends with peaks in the nonwhite population in 1992. There were slight fluctuations in the white birth rate during this period, however the trend is generally described as downward.

### **BIRTHS BY MATERNAL AGE GROUP**

<b>under 15</b>	<b>15-19</b>	<b>20-24</b>	<b>25-29</b>	<b>30-34</b>	<b>35-39</b>	<b>40-44</b>	<b>45+</b>	
93	2,426	3,832	3,734	2,774	1,179	224	10	<b>total</b>
resident births 14,272								

### **PRENATAL CARE**

In 1996, Shelby County mothers averaged 11.76 prenatal visits per live birth (11.86 visits in 1995). This is a decrease of 0.10 prenatal visits per live birth. White mothers averaged 12.49 prenatal visits (12.88 visits in 1995). Nonwhite mothers averaged 11.10 prenatal visits (10.94 visits in 1995). No prenatal care was received by 47 white mothers (0.8%) and 119 nonwhite mothers (1.4%) in 1996.

### **OUT OF WEDLOCK BIRTHS**

Shelby County had a total of 7,108 out of wedlock births in 1996 (7,221 in 1995). This is a decrease of 113 out of wedlock births (approximately 1.6%). These 7,108 out of wedlock births represent a total of 49.8% of all county births. White out of wedlock births numbered 959 and were 16.8% of all white births (946 in 1995). Nonwhite out of wedlock births numbered 6,149 and were 71.9% of all nonwhite births (6,275 in 1995).

Exhibit 2 shows the number of out of wedlock births for the period 1989-1996, indicating an upward trend from 1989 through 1991 and peaking in 1992 with 7,793 out of wedlock births. The same upward trend appears in both white and nonwhite out of wedlock percentages with peaks in the nonwhite population in 1992 with 73.7% of all nonwhite births. The largest increase occurred in the white population in 1996 with 16.8%. Since the peak in 1992, there has been a downward trend in the total number of out of wedlock births.

### **BIRTHS LESS THAN 20 YEARS OF AGE**

Babies born to mothers who were less than age 20 in 1996 totaled 2,519 (2,582 in 1995). This is a decrease of 63 births (approximately 2.4%). Babies born to white mothers less than age 20 totaled 470 and represent 18.7% of these births. Babies born to non-white mothers less than age 20 totaled 2,049 and represent 81.3% of these births.

The number of births to mothers less than age 20 and mothers ages 10-17 is shown in Exhibit 3. The number of births to mothers less than age 20 peaked in 1992 with 2,769 births, however since that time the trend appears to be on the downward slope with a slight fluctuation in 1994.

#### **1996 TEEN BIRTHS BY RACE AND AGE**

Age	White	Nonwhite	Total
10-14	4	89	93
15-17	137	891	1,028
18-19	<u>329</u>	<u>1,069</u>	<u>1,398</u>
Total	470	2,049	2,519

### **TEEN BIRTHS 10-17 YEARS OF AGE**

Resident births to mothers 10 to 17 totaled 1,121 in 1996 (compared to 1,136 in 1995). Of the births to mothers 17 years old or less in 1996, 141 (or 12.6%) were white; and 980 (87.4%) were non-white. This compares to 146 white and 990 non-white births to mothers age 10-17 in 1995.

Out of wedlock births to mothers age 10-17 totaled 1,075, or 96% of all births to mothers in this age group. 108 of these births were to white teenagers (representing 76.6% of births to white teenage mothers in this age group); and 967 of these births were to non-white adolescents (98.7% of the births to non-white adolescents who are 17 or less).

Data is only available in the age group 10-17 for the years 1992-1996. There appears to be a downward trend in the number of teen births from 1,195 births in 1994 to 1,121 in 1996 or a reduction of approximately 6%. See Exhibit 3.

**HEALTHY PEOPLE 2000 OBJECTIVE:** Reduce pregnancies among teenage girls age 17 and younger to no more than 50 per thousand adolescents.

**SHELBY COUNTY INDICATOR:** 22.2 births per 1,000 adolescents (17 and younger).

## **LOW BIRTH WEIGHT (PREMATURITY)**

The number of resident low birth weight babies born in 1996 was 1,422 (1,528 in 1995). This represents 10% of all resident live births. This is a decrease of 106 low birth weight babies (approximately 7%). Low birth weight is defined as any baby weighing less than 5.5 pounds or 2,500 grams at birth. White babies totaled 296 (21%) of all prematurities and 5.2% of all white babies were low birth weight. Nonwhite babies totaled 1,126 (79.2%) of all prematurities and 13.2% of all nonwhite babies were low birth weight. In 1995 1,528 low birth weight babies resulted in 10.5% of all births classified as premature. In 1995 5.8% of white births were low birth weight and 14% of all nonwhite births were premature.

Exhibit 4 show the number and percentages of low birth weight babies (less than 2,500 grams) for the period 1988-1996. The trend could be generally described as downward from the period 1994-1996, however fluctuations occurred throughout the entire period with peaks in 1991 and 1994. The same general trends are seen in the low birth weight percentages of white and nonwhite population as it relates the number of resident births.

## **INFANT MORTALITY**

Resident Shelby County infant deaths in 1996 totaled 178 (210 in 1995). This resulted in an infant mortality rate of 12.5 (14.4 in 1995). There were 32 white infant deaths in 1996 (compared to 39 in 1995) resulting in a white infant mortality rate of 5.6 (6.6 in 1995). There were 146 nonwhite infant deaths in 1996 (171 in 1995), resulting in 1996 non-white infant mortality rate of 17.1 (19.8 in 1995).

Exhibit 6 shows the number of resident infant deaths and infant death rates for the period 1989-1996. The general trend indicates a decrease in the number of infant deaths and the infant death rates. The patterns of change in the birth rates for both the white and nonwhite population have been similar throughout this period. However, the infant death rate has remained significantly higher in the nonwhite population.

**HEALTHY PEOPLE 2000 OBJECTIVE:** Reduce infant mortality rate to no more than 7 deaths per 1,000 live births.

Special population target: Blacks: 11 deaths per 1,000 live births.

### **SHELBY COUNTY INDICATORS:**

Infant Mortality Rate: 12.5 infant deaths per 1,000 live births.

Non-white Infant Mortality Rate: 17.1 infant deaths per 1,000 live births.

## **RESIDENT DEATHS**

Shelby County resident deaths in 1996 totaled 7,768 (7,624 in 1995). This is an increase of 144 deaths from 1995. The total number of resident county deaths resulted in a county death rate of 9.0. There were 4,043 white deaths resulting in a white death rate of 8.7. There was an increase of 201 white deaths (approximately 5%). There were 3,725 nonwhite deaths resulting in a nonwhite death rate of 9.3. This is a decrease of 57 nonwhite deaths (approximately 1.5%). Including nonresidents, there were 9,917 deaths in Shelby County in 1996.

The trend of the death rate for the period 1988-1996 is shown in Exhibit 5. This trend is generally upward with fluctuations in the year 1995. The number of deaths increased from 6,935 in 1988 to 7,768 in 1996, approximately 12%. Most of the increases occurred in the white population between 1993 and 1996.

## **THE LEADING CAUSES OF RESIDENT DEATHS IN 1996**

<b><u>Rank</u></b>	<b><u>Cause of Death</u></b>	<b><u>Total</u></b>	<b><u>Percent</u></b>
1.	Heart Disease	2,457	31.6
2.	Malignancy ( Cancer)	1,677	21.6
3.	Cerebrovascular Disease ( Stroke)	653	8.4
4.	Respiratory including Pneumonia		
	Influenza and Emphysema	576	7.2
5.	Accidents and Adverse Conditions	310	4.0
6.	Endocrine System Diseases	241	3.1
7.	Digestive System Diseases	220	2.8
8.	Homicides	179	2.3
9.	Urinary System Disease	174	2.2
10.	Mental Disorders	164	2.1
11.	HIV (AIDS)	137	1.8
12.	Conditions of the Perinatal Period	95	1.2
13.	Septicemia	89	1.1
14.	Suicides	83	1.0



### **SPECIFIC CAUSES OF SHELBY COUNTY RESIDENT DEATHS 1996**

<u>Causes of Death</u>	<u>White</u>	<u>Nonwhite</u>	<u>Total</u>
Malignancy-Digestive Organs & Peritoneum	202	192	394
Malignancy-Respiratory Organs	295	218	513
Malignancy-Bone, C.T., Skin & Breast	106	74	180
Malignancy-Genito-Urinary Organs	123	139	262
Malignancy-Other	90	54	144
Malignancy-Lymph- Hematopoietic Tissue	100	54	154
Malignancy Neoplasm of Lip, Oral Cavity	9	24	33
Endocrine System Disease	94	147	241
Mental Disorders	84	80	164
Nervous System Disease	94	48	142
Hypertensive Disease	68	186	254
Congestive Heart Failure	21	24	45
Ischemic Coronary Disease	880	579	1,459
Cerebrovascular Disease (Stroke)	327	326	653
Respiratory-Pneumonia-Influenza-Emphysema	380	196	576
Digestive System Disease	130	90	220
Urinary System Disease	84	90	174
Conditions of Perinatal Period	16	79	95
Vehicle Accidents	64	85	149
Suicides	58	25	83
Homicides	21	158	179
HIV (AIDS)	32	105	137
All Other Causes	<u>765</u>	<u>752</u>	<u>1,517</u>
 TOTALS	 4,043	 3,725	 7,768

### **RESIDENT AVERAGE AGE AT DEATH**

<u>Sex</u>	<u>White</u>		<u>Nonwhite</u>		<u>Total</u>	
	<u>1996</u>	<u>1995</u>	<u>1996</u>	<u>1995</u>	<u>1996</u>	
<u>1995</u>						
Male	69.24	68.60	61.22	60.65	65.22	64.63
Female	77.31	77.03	69.09	69.37	73.66	73.49
Total	73.64	72.93	65.04	64.81	69.57	69.02

## **SUICIDES**

There were 83 deaths of Shelby County residents due to suicide in 1996. The number of suicides represents a decrease of approximately 14% over the 97 suicides in 1995. White deaths due to suicide totaled 58 or 70% of all suicides. Nonwhite deaths due to suicides totaled 25 or 30% of all suicides. Of the 83 suicides, 50 or 60% occurred in the white male population. Suicides ranked as the 14th leading cause of death in Shelby County.

### **SUICIDES BY AGE GROUP, RACE AND SEX**

Age Category	White Female	White Male	Black Female	Black Male	Total
10-14	0	0	0	1	1
15-19	2	2	0	1	5
20-24	0	5	0	4	9
25-34	0	8	1	9	18
35-44	4	7	1	5	17
45-54	1	8	0	0	9
55-64	1	9	0	0	10
65-74	0	7	1	2	10
75-84	0	2	0	0	2
85+	0	2	0	0	2
Total 1996	8	50	3	22	83
Total 1995	13	54	4	26	97

**HEALTHY PEOPLE 2000 OBJECTIVE:** Reduce suicides to no more than 10.5 per 100,000 people.

**SHELBY COUNTY INDICATOR:** 9.57 suicides per 100,000 residents.

## **BREAST CANCER (FEMALE)**

There were 145 deaths of Shelby County residents due to breast cancer in 1996. There were 138 breast cancer deaths in 1995. This is a increase of 7 deaths or approximately 5%.

### **BREAST CANCER BY AGE AND RACE**

Age Category	White Female	Black Female	Hispanic Asian Female	Total
20-24	0	0	0	0
25-34	0	0	0	0
35-44	2	11	0	13
45-54	12	10	0	22
55-64	20	9	1	30
65-74	18	16	0	34
75-84	16	14	0	30
85+	12	4	0	16
Total 1996	80	64	1	145
Total 1995	74	64	0	138

## **AIDS/HIV DEATHS**

During 1996, AIDS/HIV deaths to Shelby County residents numbered 137, a decrease of 35 or 20% over the 172 AIDS/HIV deaths in 1995. AIDS/HIV deaths ranked as the 11th leading cause of death to Shelby County residents, down from number 10 in 1995. The number of deaths decreased in the 35-44 age group, which numbered 65 deaths, a decrease of 15 over the 80 deaths in 1995. The number of AIDS/HIV deaths ( 87 ) in non white males remained unchanged compared to the decreases in all other age groups, races and sex. The total number of AIDS/HIV deaths recorded in 1996, including nonresidents, was 150.

### **AIDS/HIV DEATHS BY AGE GROUP, RACE AND SEX**

Age Category	White Female	White Male	Nonwhite Female	Nonwhite Male	All Female	All Male	Total
0-4	0	0	0	0	0	0	0
5-14	0	0	0	0	0	0	0
15-24	0	0	2	2	2	2	4
25-34	0	6	6	33	6	39	45
35-44*	1	22	8	34	9	56	65
45-54	0	2	2	11	2	13	15
55-64	0	1	0	5	0	6	6
65-74	0	0	0	2	0	2	2
75-84	0	0	0	0	0	0	0
85+	0	0	0	0	0	0	0
<b>Totals 1996</b>	<b>1</b>	<b>31</b>	<b>18</b>	<b>87</b>	<b>19</b>	<b>118</b>	<b>137</b>
<b>Totals 1995</b>	<b>3</b>	<b>56</b>	<b>26</b>	<b>87</b>	<b>29</b>	<b>143</b>	<b>172</b>
	(67%)	(45%)	(31%)	(0%)	(34%)	(17%)	(20%)

\*15 Percent decrease over 1995

### **HOMICIDES**

There were 179 homicides in Shelby County during 1996 compared to 191 in 1995 for a decrease of 12 homicides ( or approximately 6%). Homicide ranked as the 8th leading cause of death to Shelby County residents, and accounts for 2.3% of all deaths. Of the 179 homicides, 156 or 87% were in the black population. Of the 179 homicides, 142 or 79% were in the age group 15 to 44; 107 or 75% were black males; 20 or 14% were black females; 9 or 5% were white males, 5 or 3% were white females; and 1 or 0.7% were of Hispanic or Asian origin.

### **HOMICIDES BY AGE GROUP RACE AND SEX**

Age Category	White Female	White Male	Black Female	Black Male	Hispanic Asian Female	Hispanic Asian Male	Total
<1	0	0	3	0	0	0	3
1-4	0	0	0	0	0	0	0
5-9	0	0	1	2	0	0	3
10-14	0	0	2	2	0	0	4
15-19	0	1	3	22	0	0	26
20-24	0	0	1	31	0	0	32
25-34	4	3	10	33	0	1	51
35-44	1	5	6	21	0	0	33
45-54	0	2	2	8	0	1	13
55-64	0	3	0	5	0	0	8
65-74	0	1	0	2	0	0	3
75-84	1	0	0	0	0	0	1
85+	0	0	1	1	0	0	2
<b>Total 96</b>	<b>6</b> (3.4%)	<b>15</b> (8%)	<b>29</b> (16%)	<b>127</b> (71%)	<b>0</b> (0%)	<b>2</b> (1%)	<b>179</b>
<b>Total 95</b>	<b>10</b>	<b>15</b>	<b>27</b>	<b>136</b>	<b>0</b>	<b>3</b>	<b>191</b>

**HEALTHY PEOPLE 2000 OBJECTIVE:** Reduce homicides to no more than 7.2 per 100,000 population.

**SHELBY COUNTY INDICATOR:** 20.6 homicides per 100,000 residents.

### **1996 RESIDENT LIVE BIRTHS BY CENSUS TRACT AND RACE**

Census Tract	White Births	Nonwhite Births	Total Births
1	14	19	33
2	1	40	41
3	1	86	87
4	2	49	51
5	1	18	19
6	3	60	63
7	13	85	98
8	5	89	94
9	1	63	64
10	2	13	15
11	31	31	62
12	43	12	55
13	10	72	82
14	4	43	47
15	7	32	39
16	18	8	26
17	16	58	74
18	0	38	38
19	0	36	36
20	2	78	80
21	1	30	31
22	4	28	32
22.99	0	0	0
23	2	53	55
24	3	56	59
25	10	29	39
26	20	3	23
27	15	33	48
28	6	91	97
29	66	4	70
30	24	37	61
31	32	14	46
33	23	2	25
34	14	17	31
35	25	8	33
36	10	41	51
37	3	10	13
38	4	13	17
39	4	18	22

Census Tract	White Births	Nonwhite Births	Total Births
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40	1	69	70
41	3	27	30
42	14	18	32
43	0	8	8
44	0	17	17
45	0	65	65
46	6	73	79
47	2	43	45
48	0	69	69
49	1	33	34
50	1	53	54
51	1	8	9
52	0	8	8
53	0	107	107
54	0	36	36
55	1	81	82
56	2	85	87
57	2	51	53
58	0	40	40
59	0	72	72
60	0	39	39
61	1	23	24
62	2	71	73
63	16	32	48
65	2	53	55
66	15	20	35
67	2	90	92
68	1	56	57
69	1	76	77
70	18	47	65
71	28	22	50
72	55	6	61
73	19	9	28
74	29	12	41
75	0	30	30
76	0	1	1
77	0	0	0
78.10	3	71	74
78.20	5	146	151
79	10	111	121
80	45	35	80

**Census  
Tract**

**White  
Births**

**Nonwhite  
Births**

**Total  
Births**

81.10	5	62	67
81.20	4	112	116
82	12	96	108
83	47	27	74
84	4	4	8
85	44	6	50
86	64	28	92
87	45	3	48
88	74	13	87
89	60	32	92
90	0	42	42
91	46	2	48
92	80	5	85
93	46	4	50
94	42	5	47
95	68	6	74
96	51	2	53
97	14	9	23
98	27	2	29
99	72	80	152
100	20	104	124
101.10	21	142	163
101.20	21	127	148
102.10	17	97	114
102.20	33	113	146
103	2	46	48
104.10	5	15	20
104.20	20	11	31
105	17	98	115
106.10	39	122	161
106.20	7	97	104
106.30	25	90	115
107.10	23	35	58
107.20	26	28	54
108.10	32	77	109
108.20	26	38	64
109	20	72	92
110.10	17	44	61
110.20	2	49	51
201	77	59	136
202.10	75	28	103
202.20	15	14	29

**Census**

**White**

**Nonwhite**

**Total**

<b>Tract</b>	<b>Births</b>	<b>Births</b>	<b>Births</b>
203	82	25	107
204	66	26	92
205.10	49	112	161
205.20	60	185	245
205.30	80	71	151
205.40	85	57	142
206.10	53	10	
63			
206.20	79	34	113
206.30	140	9	149
206.40	231	37	268
206.50	114	10	124
207	10	8	18
208	117	23	140
209	13	5	18
210	59	9	68
211.10	221	33	254
211.20	203	30	233
211.31	253	21	274
211.32	82	12	94
211.33	218	21	239
212	0	0	0
213.10	53	10	63
213.20	50	14	64
213.30	86	46	132
213.40	67	6	73
213.51	41	2	43
213.52	35	1	36
213.53	36	2	38
213.55	0	0	0
214.10	12	1	13
214.20	30	3	33
214.30	37	2	39
215	125	20	145
216.10	143	5	148
216.20	24	27	51
217.10	21	30	51
217.21	35	51	86
217.22	53	55	108
217.30	63	109	172
217.41	69	78	147
217.42	77	61	138
217.43	128	59	187
217.50	126	81	207

<b>Census</b>	<b>White</b>	<b>Nonwhite</b>	<b>Total</b>
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<b>Tract</b>	<b>Births</b>	<b>Births</b>	<b>Births</b>
219	10	103	113
220.10	4	75	79
220.21	3	158	161
220.22	5	133	138
221.11	3	117	120
221.12	7	91	98
221.20	13	148	161
221.30	12	91	103
222.10	3	81	84
222.20	1	70	71
223.10	1	163	164
223.20	3	148	151
223.30	6	120	126
224.10	14	75	89
224.20	5	165	170
225.98	0	0	0
226.98	0	0	0
227.98	0	0	0
999 *	0	1	
1			
Total	5,722	8,550	14,272

**\* Census Tract Unkown**

## **1996 RESIDENT DEATHS BY CENSUS TRACT AND RACE**

<b>Census Tract</b>	<b>White Deaths</b>	<b>Nonwhite Deaths</b>	<b>Total Deaths</b>
1	1	7	8
2	0	15	15
3	0	40	40
4	2	34	36
5	0	9	9
6	3	49	52
7	2	65	67
8	1	52	53
9	2	68	70
10	1	13	14
11	40	11	51
12	48	0	48
13	32	20	52
14	4	18	22
15	10	17	27
16	25	4	29
17	38	36	74
18	0	26	26
19	1	32	33
20	3	22	25
21	0	13	13
22	0	6	6
22.99	0	0	0
23	3	25	28
24	3	24	27
25	16	13	29
26	20	1	21
27	16	4	20
28	6	44	50
29	91	3	94
30	47	26	73
31	41	3	44
32	71	31	102
33	24	0	24
34	16	1	17
35	28	3	31
36	7	25	32
37	20	26	46
38	5	8	13
39	6	33	39

<b>Census Tract</b>	<b>White Deaths</b>	<b>Nonwhite Deaths</b>	<b>Total Deaths</b>
40	1	14	15
41	0	28	28
42	5	2	7
43	2	5	7
44	0	8	8
45	1	17	18
46	2	13	15
47	1	47	48
48	0	31	31
49	1	48	49
50	0	38	38
51	0	7	7
52	0	4	4
53	3	100	103
54	0	23	23
55	1	42	43
56	2	84	86
57	1	76	77
58	1	34	35
59	0	55	55
60	1	47	48
61	2	18	20
62	5	62	67
63	19	15	34
64	6	28	34
65	0	39	39
66	19	10	29
67	2	79	81
68	1	63	64
69	6	52	58
70	15	16	31
71	15	13	28
72	28	2	30
73	64	7	71
74	20	4	24
75	1	30	31
76	0	0	0
77	0	0	0
78.10	0	59	59
78.20	4	108	112
79	18	54	72
80	55	9	64
81.10	7	33	40

<b>Census Tract</b>	<b>White Deaths</b>	<b>Nonwhite Deaths</b>	<b>Total Deaths</b>
81.20	11	42	53
82	25	22	47
83	55	3	58
84	0	0	0
85	51	1	52
86	79	2	81
87	63	0	63
88	59	3	62
89	36	13	49
90	0	35	35
91	25	1	26
92	64	6	70
93	58	2	60
94	55	2	57
95	73	3	76
96	55	0	55
97	20	1	21
98	45	1	46
99	66	18	84
100	36	20	56
101.10	35	17	52
101.20	45	18	63
102.10	22	16	38
102.20	63	29	92
103	1	11	12
104.10	12	2	14
104.20	3	2	5
105	30	59	89
106.10	25	18	43
106.20	7	10	17
106.30	8	18	26
107.10	41	6	47
107.20	22	3	25
108.10	39	12	51
108.20	22	4	26
109	10	11	21
110.10	27	7	34
110.20	5	14	19
201	43	14	57
202.10	33	23	56
202.20	28	3	31
203	51	13	64
204	0	0	0

<b>Census Tract</b>	<b>White Deaths</b>	<b>Nonwhite Deaths</b>	<b>Total Deaths</b>
205.10	61	23	84
205.20	19	27	46
205.30	63	9	72
205.40	63	6	69
206.10	15	2	17
206.20	63	10	73
206.30	45	3	48
206.40	69	16	85
206.50	74	7	81
207	14	8	22
208	48	22	70
209	8	4	12
210	24	5	29
211.10	45	4	49
211.20	66	32	98
211.31	55	7	62
211.32	28	3	31
211.33	56	0	56
212	3	4	7
213.10	35	1	36
213.20	48	2	50
213.30	67	3	70
213.40	29	3	32
213.51	22	1	23
213.52	22	0	22
213.53	14	0	14
213.55	0	0	0
214.10	14	0	14
214.20	22	3	25
214.30	25	1	26
215	39	4	43
216.10	50	3	53
216.20	21	11	32
217.10	11	3	14
217.21	39	5	44
217.22	102	10	112
217.30	16	16	32
217.41	16	9	25
217.42	23	6	29
217.43	36	5	41
217.50	20	7	27
219	3	28	31
220.10	17	17	34

<b>Census Tract</b>	<b>White Deaths</b>	<b>Nonwhite Deaths</b>	<b>Total Deaths</b>
220.21	17	48	65
220.22	8	22	30
221.11	33	37	70
221.12	11	33	44
221.20	21	44	65
221.30	9	23	32
222.10	2	60	
62			
222.20	3	78	81
223.10	3	71	74
223.20	10	65	75
223.30	1	46	47
224.00	0	0	0
224.10	17	55	72
224.20	7	69	76
999 *	1	8	
9			
Total	4,043	3,725	7,768

**\* Census Tract Unknown**

## **TECHNICAL NOTES**

All calculations in this report involving mortality measures are based on ICD - 9 Codes.

Vital events are classified in this report by resident and nonresident. "Resident" events are those which involve actual residents of Shelby County, Tennessee. "Nonresident" are those events which occur in Shelby County but involve individuals who reside in other states or counties.

Live Birth: A birth in which the child shows evidence of life ( includes heart action, breathing or a coordinated movement of a voluntary muscle) after complete birth.

Birth Rate: The total number of live births in a specific population for a given year divided by the total population for the year, multiplied by one thousand.

Low Birthweight: A live birth weighing less than 2,500 grams or 5.5 lbs. Low birthweight percent is calculated as a percentage of live births for a specific population in a given year.

Out of Wedlock Birth: The total number of out-of-wedlock births in a specific population for a given year.

Out of Wedlock Birth Rate: Number of out-of-wedlock births per 1000 live births.

Teen Births: Births to teenage mothers aged 10 to 17.

Deaths: The total number of deaths in a given population that occurs in a single year.

Death Rate: Number of deaths in a specific population for a given year divided by the total population for the year, multiplied by 1,000.

Infant Death: Death of an infant under one year (365 days) of age.

Infant Mortality Rate: Number of infant deaths per 1,000 live births.

All rates and percentages are based on birth and death records filed with the Memphis and Shelby County Vital Records office.

Inquiries should be addressed to the Memphis and Shelby County Health Department, 814 Jefferson Ave., Memphis, TN 38105. Telephone number is (901) 576-7608. Fax number is (901) 576-7610.

